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Vancouver, B.C.
May 31, 1991

To the Lieutenant Governor in Council

MAY IT PLEASE YOUR HONOUR:

We respectfully submit this report on the activities of the British Columbia Utilities Commission for the calendar year 1990.

BRITISH COLUMBIA UTILITIES COMMISSION

JOHN G. McINTYRE, Chairman

J.D.V. NEWLANDS, Deputy Chairman

N. MARTIN, Commissioner

W.M. SWANSON, Q.C., Commissioner

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Introduction

The British Columbia Utilities Commission ("the Commission") is an independent regulatory agency of the Provincial Government operating under, and administering the ***Utilities Commission Act*** ("the Act"). The Commission's primary responsibility is the regulation of the energy utilities under its jurisdiction to ensure that the rates charged for energy are fair and reasonable, and that utility operations are safe and provide adequate and secure service to their customers. It approves construction of new facilities planned by utilities and their issuance of securities. The Commission's function is quasi-judicial and its decisions and orders may be appealed to the Court of Appeal on questions of law or excess of jurisdiction.

The Commission also functions in an advisory role in the administration of the Energy Project Review Process. It reviews and evaluates energy related projects referred to it by Cabinet. It also reviews energy project certificate applications for regulated projects. The Commission's review and evaluation process involves public hearings, followed by a report and recommendations to the Lieutenant Governor in Council.

As directed by the Commission, the staff assesses applications, submissions and complaints made to the Commission.

1990 Regulatory Highlights

This past year was extremely busy for the Commission as a result of significant changes to Electricity Policy within the Province of British Columbia coupled with the on-going deregulation of the Natural Gas industry. The advancement of the Vancouver Island Gas Pipeline Project and the institution of many Non-Utility Generation ("NUG") projects requiring approvals also created substantial additional workload.

In addition to the following specific items identified as highlights of 1990, the Commission continued its ongoing regulation of utilities including applications to amend electric, gas, steam heat and oil pipeline tariffs, terms and conditions affecting service, Accounting Orders, and Cost Pass Throughs. The Commission also contended with a substantial workload with respect to specfic complaints by customers on issues such as meter disputes, service disruptions, billing errors, liability considerations and EMF.

Electricity

The Commission held a hearing into British Columbia Hydro and Power Authority ("B.C. Hydro") revenue requirements during the late winter and spring. B.C. Hydro had made Application to increase its rates in each of three fiscal years to meet its revenue requirements as set out in a Special Direction from the Government of British Columbia directing the utility to attain prescribed financial parameters with respect to interest coverage and debt/equity ratios. The Government also issued Special Direction No. 3 to the Commission directing it to ensure that B.C. Hydro meets minimum financial standards and to require B.C. Hydro to have rates which promote energy conservation and avoid future rate shock by raising rates in a smooth, predictable, and stable manner to meet the cost of future supply, ensuring that rates are fair, just and reasonable. The

hearing reviewed all aspects of B.C. Hydro's revenue requirement, inclusive of demand forecast, generation priorities, operating and maintenance activities of the utility, and new ventures of the utility into demand-side management and private generation of electricity. As a result of this review the Commission set rate increases for B.C. Hydro of 3.0 per cent for fiscal 1989/1990, and 1.5 per cent for each of the next two fiscal years.

The Commission also became involved in the establishment of a new Electricity Supply Agreement and Facilities Agreement for the provision of electricity supply to B.C. Hydro's largest customers. This matter had been outstanding for at least eight years as B.C. Hydro and the customers attempted to resolve their differences with respect to terms and conditions of service. Commission staff became involved with the customers and B.C. Hydro in direct negotiations towards the resolution of each contract item. This mediation was undertaken under the auspices of a Commission hearing panel which reviewed the final consensus Agreements. As a result of intense negotiations over the course of several months the new standard agreements were able to be put in place before the end of the year. The Commission sees merit in this innovative dispute resolution method, particularly where the issues are highly technical in nature and the affected parties are few in number.

A rate hearing for West Kootenay Power Ltd. ("WKP") occurred in the fall of 1990 at Rossland. That hearing resulted in a rate increase of 5.5 per cent for 1990, along with other specific directions related to future electricity requirements of the utility and demand-side management. The utility initially requested and was granted an interim increase of 6.9 per cent (Order No. G-47-90).

Another hearing was held for a small electric utility in the Fraser Valley serving residents adjacent to the ski resort of Hemlock Valley. The hearing occurred on September 24 and 25, 1990 following a substantial period during which the Commission and its staff attempted to resolve the concerns of the utility and its customers through negotiation. The hearing was finally set down after it became apparent that the customers and the utility were polarized in their positions with respect to quality of service and price. The Decision for this hearing was issued on October 17, 1990 and is currently under appeal before the courts.

A final area of active involvement by the Commission and staff with respect to electricity trade was the development of draft rules for filings of Electricity Energy Supply Contracts pursuant to section 85.3 of the Act. These initiatives form part of the efforts to create some level of competition with respect to the future supply of electricity in British Columbia. The development of the Rules occurred in conjunction with the evolvement of NUG's and the development of a "Power Pool" by B.C. Hydro's subsidiary Powerex.

Natural Gas Activities

One of the key areas of activity by the Commission related to the development of the Vancouver Island Natural Gas Pipeline Project. Two new natural gas utilities are being created as part of this initiative to extend gas service to Vancouver Island. Pacific Coast Energy Corporation ("PCEC") is the utility awarded the rights to construct and operate the transmission system to the Island. Distribution rights on the Island have been awarded to Centra Gas British Columbia Inc.

In the spring of the year Commission staff was requested to mediate agreements between PCEC, the industrial customers, and the Provincial Government. This mediation monitoring function of the Commission staff required substantial on-going dedication of Commission expertise throughout the year.

BC Gas Inc. ("BC Gas") is in the second year of a three-year rate freeze. This utility is in the unusual position of being partially regulated by the Commission and partially regulated by the Ministry of Energy, Mines and Petroleum Resources. The Commission assists the Ministry in analysing requests put forward for approval by the Lieutenant Governor in Council and undertakes normal regulation of the utility for those items which have been transferred back to the Commission. Specific tariff items addressed during the year included seasonal and peak rates, interruptible service conditions, and a special Swing-Gas Agreement with Burrard Thermal Plant. In addition, the Commission was actively involved in developing long term gas supplies for BC Gas to replace the utility's agreement with CanWest Gas Supply Inc., which is set to expire November 1, 1991. The development of new gas supply contracts between BC Gas and the producers has been a difficult and time consuming process. Commission staff have been involved with individual producers and producer groups along with BC Gas to encourage the parties to come to an agreement.

The Commission received a complaint by Ocelot Chemicals Inc. in January 1990 that the rates of Pacific Northern Gas Ltd. ("PNG") were unfair and unreasonable. This complaint led to an application by PNG to amend its rate structure. A public hearing to consider the new rate design for PNG commenced August 21, 1990. At year end the Commission's Decision on the application was being finalized.

Administration

There were no significant staffing or organizational changes in the operations of the Commission during 1990. A major initiative undertaken by the staff of the Commission was the design and installation of a new computer system. The Commission is now in an excellent position to use its computer capabilities to support its mandate.

The Commission's four full-time members and three temporary members are currently complemented by a staff of regulatory professionals including economists, engineers and accountants, as well as administrative specialists.

Pursuant to section 140 of the *Utilities Commission Act*, the Commission recovered its expenses by appropriate levies on the utilities it regulates *(see* Appendix VIII).

APPENDIX I
REGULATED PUBLIC UTILITIES

UTILITY	HEAD OFFICE	SERVICE AREA
Crown-Owned Electric Utility		
British Columbia Hydro and Power Authority	970 Burrard Street Vancouver, B.C. V6Z 1Y3	Lower Mainland, Vancouver Island, Central and Northern B.C. and East Kootenay Region
Investor-Owned Electric Utilities		
Hemlock Valley Electrical Services Limited	Box 7, Site 2 RR 1 Agassiz, B.C. V0M 1A0	Hemlock Valley
Princeton Light and Power Company, Limited	Box 700 Princeton, B.C. V0X 1W0	Princeton area
West Kootenay Power Ltd.	Box 130 Trail, B.C. V1R 4L4	West Kootenay, and Okanagan Regions of B.C.
Yoho Power Ltd.	Suite 800 1176 West Georgia Street Vancouver, B.C. V6E 4A2	Field
Yukon Electric Co. Ltd.	Box 4190 Whitehorse, Yukon Territory Y1A 3T4	Lower Post
Municipally-Owned Electric Utilities*		
City of Grand Forks	Box 220 Grand Forks, B.C. V0H 1H0	Grand Forks
City of Kelowna	1435 Water Street Kelowna, B.C. V1Y 1J4	Kelowna
City of Nelson	502 Vernon Street Nelson, B.C. V1L 4E8	Nelson area

* Only service outside Municipal Boundaries is subject to regulation by the British Columbia Utilities Commission.

City of New Westminster	511 Royal Avenue New Westminster, B.C. V3L 1H9	New Westminster
City of Penticton	616 Okanagan Avenue East Penticton, B.C. V2A 3K6	Penticton
District of Summerland	Box 159 Summerland, B.C. V0H 1Z0	Summerland

Investor-Owned Natural Gas or Propane Utilities

BC Gas Inc.	Box 12503 1066 West Hastings Street Vancouver, B.C. V6E 3G3	Lower Mainland, Fort Nelson area, Central, Northern Interior and Kootenays
Centra Gas British Columbia Inc. [formerly ICG Utilities (British Columbia) Ltd.]	110, 800 Tolmie Avenue Victoria, B.C. V8X 3W4	Victoria, Nanaimo, Port Alice, Whistler and Fort Street John area
Northland Utilities (B.C.) Limited	10035 — 105th Street Edmonton, Alberta T5J 2S3	Dawson Creek, Rolla, Pouce Coupe, and Tumbler Ridge
Pacific Northern Gas Ltd.	Suite 1400 1185 West Georgia Street Vancouver, B.C. V6E 4E6	Summit Lake to Prince Rupert and Kitimat
Squamish Gas Co. Ltd. (BC Gas Subsidiary)	Box 12503 1066 West Hastings Street Vancouver, B.C. V6E 3G3	Squamish, Granisle

Investor-Owned Steam Heat Utility

Central Heat Distribution Limited	720 Beatty Street Vancouver, B.C. V6B 2M1	Downtown Vancouver

APPENDIX II
APPLICATIONS HEARD AND DECISIONS ISSUED IN 1990

TYPE OF APPLICATION

Rate increase.

NAME OF REGULATED UTILITY

West Kootenay Power Ltd.

DECISION NAME/ISSUE/FACTUAL AND QUANTITATIVE DETERMINATIONS

West Kootenay Power Ltd. ("the Applicant", "the Company", "WKP") provides electric service directly to the West Kootenay Boundary Region of British Columbia, and indirectly through its municipal wholesale customers in the Southern Okanagan, Princeton and the City of Nelson. Electricity is supplied from its own plants on the Kootenay River (Lower Bonnington, Upper Bonnington, South Slocan and Corra Linn); purchases from Cominco Ltd. ("Cominco") and purchases from B.C. Hydro.

As a result of a public hearing held in Rossland, B.C. which took 8 days, the Division of the Commission ordered WKP to file tariffs which confirmed the revised interim increase of 5.5 per cent for the calendar year 1990 and to file tariffs for 1991 incorporating an increase of 5.0 per cent to all customer classes, and to apply the 1991 commercial rate allocation to reduce the rate in the second energy block of Rate Schedules 20, Small General Service and 21, General Service, effective January 1, 1991. The directed reduction in the second energy block in Rate Schedules 20 and 21 will result in a net decrease in bills at the lower levels of consumption and will reduce the increase to these customers from what it would have otherwise been for all levels of consumption.

With regard to fiscal 1992, the third year of the Application, the Commission believed too many uncertainties existed for new rates to be set. The Applicant's policy witness and financial witness both had reservations and these concerns were reinforced when Exhibit 21 was reviewed indicating a change of over $8 million between forecasts made in 1988 and 1990. Accordingly the Commission declined to set rates as requested by the Applicant for 1992. If higher levels of forecasting accuracy were to be achieved in the future, the Commission would encourage the Applicant to apply for a three-year test period.

DECISION, DATE, AND ORDER NUMBER

Order No. G-109-90; December 20, 1990.

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TYPE OF APPLICATION

Rate increase.

NAME OF REGULATED UTILITY

British Columbia Hydro and Power Authority

DECISION NAME/ISSUE/FACTUAL AND QUANTITATIVE DETERMINATIONS

B.C. Hydro made application on October 11, 1989 for an interim increase of 3 per cent, applicable uniformly to all classes of service, effective with consumption on and after November 15, 1989.

The Commission approved the interim increase subject to refund with interest by Commission Order No. G-49-89 dated October 13, 1989. By that Order, the utility was instructed to provide a full Application, inclusive of detailed information as specified in the Order, by November 30, 1989. The hearing of B.C. Hydro's full Application was held February 12 to March 5, 1990.

The review of B.C. Hydro's Application came under legislative direction of the *Utilities Commission Act*, inclusive of a recent Special Direction from the Provincial Government to the Commission called Special Direction No. 3 which mandated that the Commission set B.C. Hydro rates to ensure that the utility would attain, before the end of the 1991/92 financial year, the following:

— Minimum interest coverage ratio of 1.3:1.

— An increase in the equity component of its capital structure to 20 per cent.

— Annual distributable surpluses from the attainment of the minimum financial standards allocated as specified in Special Direction No. 1 which requires the utility to make a payment of a dividend to the Provincial Government of $130 million for the financial year ending March 31, 1990 and pay 75 per cent of the distributable surplus in future years when the debt/equity ratio is between 80:20 and 75:25.

Special Direction No. 3 also directed the Commission to ensure that rate increases are smooth, stable and predictable and contribute to conservation and efficient energy use by recognizing that electricity rates should gradually increase to meet the higher costs of new electric supply.

The main findings of the hearing were:

1. The Electric Tariff Rate Schedules of B.C. Hydro that reflect the 3 per cent interim increase effective November 15, 1989 and accepted by the Commission pursuant to Order No. G-49-89 were determined to be in excess of revenue requirement and a refund is ordered. The Commission approved as firm, an increase of 1.5 per cent effective November 15, 1989, an additional increase of 1.5 per cent effective April 1, 1990, and a further increase of 1.5 per cent effective April 1, 1991.
2. The Commission reviewed the evidence and exhibits filed at the hearing and by Order No. G-39-90 authorized B.C. Hydro to increase rates by 3.0 per cent on November 15, 1989, 1.5 per cent on April 1, 1990 and 1.5 per cent on April 1, 1991.
3. A new Rate Stabilization Account was to be created effective April 1, 1990 and B.C. Hydro was directed to credit to this account annually, all net income in excess of the 1.3 times interest coverage ratio specified by Special Direction No. 3 to the Commission.
4. B.C. Hydro was directed to file a Rate Design Application with the Commission by December 1, 1990.

DECISION, DATE, AND ORDER NUMBERS

April 30, 1990 — Order No. G-31-90.
May 24, 1990 — Order No. G-39-90.

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TYPE OF APPLICATION

A rate increase of 6.18 per cent and a rate design proposal.

NAME OF REGULATED UTILITY

Princeton Light and Power Company, Limited

DECISION NAME/ISSUE/FACTUAL AND QUANTITATIVE DETERMINATIONS

Commission Order No. G-61-89 set February 27, 1990 as the date for a public hearing in Princeton, B.C. When several customers wrote to the Commission that a public hearing was not necessary, the Commission cancelled the public hearing by Order No. G-18-90 and ordered a hearing to be conducted in writing.

The main findings of the Inquiry were:

— The Rate Base, Revenue Requirement and Rate Design for the Test Year ended March 31, 1990 as set out in Schedules contained in the Commission's April 12, 1990 Decision.

— Acceptance of the first three stages of the ten-stage plan to adjust rates to reflect the total cost of service, a fair apportionment of costs and to encourage the justified use of the resource.

The revenue requirements increase of 5.07 per cent and the Rate Design to be effective with consumption on or after May 1, 1990.

DECISION, DATE, AND ORDER NUMBER

April 12, 1990, Order No. G-27-90.

APPENDIX III

COMMISSION ORDERS ISSUED IN 1990

Standard Utility Abbreviations Used in this Report

British Columbia Hydro and Power Authority	B.C. Hydro
Hemlock Valley Electrical Services Limited	HVES
Princeton Light and Power Company, Limited	PLP
West Kootenay Power Ltd.	WKP
Yoho Power Ltd.	Yoho
The Corporation of the City of Nelson	City of Nelson
BC Gas Inc.	BC Gas
Centra Gas British Columbia Inc.	Centra Gas or
[formerly known as ICG Utilities (British Columbia) Ltd.]	ICG
Northland Utilities (B.C.) Limited	NUL
Pacific Coast Energy Corporation	PCEC
Pacific Northern Gas Ltd.	PNG
Squamish Gas Co. Ltd.	Squamish Gas
Central Heat Distribution Limited	CHDL
Westcoast Energy Inc.	WEI

Order No.	Utility	Date
G-1-90	**WKP**	**January 3, 1990**
	Approved issue of $15 million Series E Secured Debentures.	
G-2-90	**PNG**	**January 11, 1990**
	Approved Gas Sales Agreement Tariff Supplement No. 7 between PNG and Alcan Smelters and Chemicals Ltd.	
G-3-90	**B.C. HYDRO**	**January 11, 1990**
	Approved closure of Electric Plus Rate Schedules, effective January 15, 1990.	
G-4-90	**WKP**	**January 16, 1990**
	Ordered costs of $1.4 million arising from Okanagan Valley Gas Turbine Plant Application to be included in a deferred rate base account.	
G-5-90	**B.C. HYDRO**	**January 18, 1990**
	Ordered postponement of public hearing to February 12, 1990 and a second pre-hearing conference to be held on January 26, 1990.	
G-6-90	**HVES**	**January 18, 1990**
	Ordered HVES to file its Electric Utilities Annual Reports for 1988 and 1989 fiscal years by February 23, 1990.	
G-7-90	**PNG**	**January 18, 1990**
	Approved and accepted for filing Letter Agreement between PNG and B.C. Petroleum Corporation ("BCPC") for purchase of interruptible gas supply.	

Order No.	Utility	Date
G-8-90	**PNG**	**January 18, 1990**

Accepted for filing Letter Agreement between PNG and Ocelot Chemicals Inc. ("Ocelot") covering Interruptible Gas Transportation Service.

G-9-90	**PNG**	**January 18, 1990**

Accepted for filing Letter Agreement for an Incentive Rate between PNG and B.C. Petroleum Corporation.

G-10-90	**PNG**	**February 2, 1990**

Approved use of a deferral account to account for WEI toll and commodity charge changes.

G-11-90	**PNG**	**February 2, 1990**

Accepted for filing Tariff Supplement No. 7 for Alcan Smelters.

G-12-90	**PNG**	**February 2, 1990**

Accepted for filing Tariff Supplements No. 1, 2, 3, 7 and 14 for large industrial customers.

G-13-90	**SQUAMISH GAS**	**February 2, 1990**

Accepted for filing cost of product pass-through and increase to General Service Rate Schedule.

G-14-90	**B.C. HYDRO**	**February 6, 1990**

Denied B.C. Hydro's application for reconsideration of matters in Dispute with WKP as per Commission Decision and Order No. G-61-86.

G-15-90	**WKP**	**February 2, 1990**

Ordered public hearing on Rate Application to be heard commencing April 3, 1990.

G-16-90	**WEI**	**February 9, 1990**

Approved acquisition of ICG and Victoria Gas from Inter-City Gas Corporation.

G-17-90	**PNG**	**February 9, 1990**

Accepted for filing pass-through of WEI toll and commodity charges to Gas Tariff Rate Schedules.

G-18-90	**PLP**	**February 14, 1990**

Ordered public hearing cancelled and directed Hearing to be in writing.

G-19-90	**CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY ("CPCN")**	**February 9, 1990**

Ordered CPCN Applications to conform to stated requirements pursuant to section 51 of the Act.

Order No.	Utility	Date
G-20-90	**OCELOT/PNG**	**March 8, 1990**

Set August 21, 1990 as commencement of public hearing into Ocelot's complaint concerning PNG rates.

G-21-90	**PLP**	**March 8, 1990**

Accepted for filing Electric Tariff, Rate Schedule R — Energy Management Service.

G-22-90	**WKP**	**March 8, 1990**

Approved WKP's Application for changes to section 8 of Power Purchase Agreement with B.C. Hydro providing for an extension of time for nominations.

G-23-90	**WKP**	**March 15, 1990**

Accepted for filing amendments to Electric Tariff, Rate Schedule 90 — Energy Management Service.

G-24-90	**WKP AND G-15-90**	**March 26, 1990**

Ordered the postponement of WKP's Revenue Requirements Application hearing to a future date.

G-25-90	**PNG**	**March 28, 1990**

Accepted for filing amendments to Key Employee Stock Option Incentive Plan.

G-26-90	**PCEC**	**March 28, 1990**

Approved the issuance of common shares in the amount of $13.6 million.

G-27-90	**PLP**	**April 12, 1990**

Ordered compliance with Decision and to notify each customer class of the impact of directives.

G-28-90	**B.C. HYDRO**	**April 12, 1990**

Accepted for filing Electric Tariff Supplement No. 4 — Demand Credit Agreement with City of Cranbrook.

G-29-90	**B.C. HYDRO**	**April 19, 1990**

Set down for public hearing Application to approve a Standard Form Industrial Contract for transmission rate customers.

G-30-90	**BC GAS**	**April 26, 1990**

Approved Natural Gas Vehicle Conversion Incentive Program.

G-31-90	**B.C. HYDRO**	**April 30, 1990**

Ordered Commission Decision into B.C. Hydro's Rate Application including authorizing increases in rates for 1989, 1990 and 1991.

Order No.	Utility	Date
G-32-90	**BC GAS**	**May 4, 1990**

Approved issuance of Cumulative, Redeemable Non-Convertible Perpetual Fixed Rate/Monthly Auction First Preference Shares.

G-33-90	**BC GAS**	**May 4, 1990**

Approved for filing Gas Tariff Supplement No. 25 — Natural Gas Vehicle ("NGV") Service Agreement with Beach View Service Ltd.

G-34-90	**BC GAS**	**May 4, 1990**

Approved and accepted for filing Fort Nelson Division — Thermal Gas Supply Agreement with B.C. Hydro.

G-35-90	**BC GAS**	**May 4, 1990**

Accepted for filing Employee Share Option Plan.

G-36-90	**PNG**	**May 17, 1990**

Approved amendments to Gas Tariff Mains Extension Policy.

G-37-90	**B.C. HYDRO**	**May 17, 1990**

Approved amendments and interruption criteria for Electric Plus Rate Schedules.

G-38-90	**WKP**	**May 17, 1990**

Approved the extension of Demand-Side Management — Power Sense Program to customers of municipal wholesale utilities.

G-39-90	**B.C. HYDRO**	**May 24, 1990**

Confirmed Commission Decision and Order No. G-31-90 along with approval of rate increases of 3.0 per cent effective November 15, 1989, 1.5 per cent effective April 1, 1990 and a further 1.5 per cent effective April 1, 1991.

G-40-90	**PNG**	**May 24, 1990**

Approved Ocelot/BCPC Letter Agreement for Incentive Gas Rate effective May 1, 1990.

G-41-90	**BC GAS**	**May 30, 1990**

Approved for filing Gas Tariff Supplement No. 15 — Seasonal Off-Peak Service to Imperial Paving Limited.

G-42-90	**BC GAS**	**May 31, 1990**

Approved for filing Gas Tariff Supplement No. 3 — Service to B.C. Hydro at Fort Nelson, B.C.

G-43-90	**RECOVERY OF COMMISSION COSTS**	**May 31, 1990**

Approved the recovery of costs for 1990/91 fiscal year.

Order No.	Utility	Date
G-44-90	**B.C. HYDRO**	**June 8, 1990**
	Commission accepted request by B.C. Hydro to postpone public hearing into Standard Industrial Contract.	
G-45-90	**BC GAS**	**June 15, 1990**
	Approved the issuance of 1,000,000 common shares under Dividend Reinvestment and Share Purchase Plan.	
G-46-90	**B.C. HYDRO**	**June 15, 1990**
	Approved for filing Amendments to Electric Tariff relating to Distribution Extension and Service Connection Policies effective July 1, 1990.	
G-47-90	**WKP**	**June 8, 1990**
	Commission approved a request by WKP to reduce interim rate increase from 6.9 per cent to 5.5 per cent, retroactively from January 1, 1990.	
G-48-90	**PCEC**	**June 28, 1990**
	Approved an increase in Credit Facility to $120 million with Bank of Montreal.	
G-49-90	**B.C. HYDRO**	**June 28, 1990**
	Approved the extension of subsidy payments made by B.C. Hydro to Yoho to June 30, 1990.	
G-50-90	**HVES**	**July 3, 1990**
	Approved the acquisition and control of outstanding common shares of HVES by Mr. J. Peters.	
G-51-90	**HVES**	**July 3, 1990**
	Ordered rates resulting from Commission Decision.	
G-52-90	**PNG**	**July 12, 1990**
	Ordered a public hearing of Ocelot's complaint against PNG to commence August 21, 1991 in Prince Rupert, B.C.	
G-53-90	**BC GAS**	**July 12, 1990**
	Approved the closure of Promotional Incentive Grant Program, effective September 30, 1990.	
G-54-90	**CANWEST GAS SUPPLY INC.**	**July 19, 1990**
	Ordered CanWest to be exempt from provisions of Part 3 of the Act except section 27.	
G-55-90	**BC GAS**	**July 19, 1990**
	Ordered B.C. Hydro to refund 1988 WEI toll credits to BC Gas customers in the Lower Mainland Division.	

Order No.	Utility	Date
G-56-90	**PLP**	**July 31, 1990**

Approved for filing Electric Tariff No. 4.

G-57-90	**B.C. HYDRO**	**August 1, 1990**

Ordered submissions from interested parties to be received by September 14, 1990 regarding the Distribution Extension Policies and Standard Charges approved by Order No. G-46-90.

G-58-90	**HVES**	**August 2, 1990**

Ordered public hearing into Interim Rate Increase to be heard on September 24, 1990.

G-59-90	**WKP**	**August 8, 1990**

Approved expiry date of revolving Bank Term Loan with Bank of Montreal be extended to January 2, 1993.

G-60-90	**B.C. HYDRO**	**August 2, 1990**

Approved and accepted for filing Tariff Supplement No. 1 — Power Sales Agreement between B.C. Hydro and the City of New Westminster to December 31, 1994.

G-61-90	**BC GAS**	**August 16, 1990**

Approved Interim Operating Agreement for the supply and distribution of piped propane between BC Gas and the City of Revelstoke.

G-62-90	**BC GAS**	**August 16, 1990**

Approved and accepted for filing amendments to Rate Schedule No. 2206 NGV service in the Lower Mainland.

G-63-90	**B.C. HYDRO**	**August 16, 1990**

Approved and accepted for filing Amendments to Electric Tariff regarding Pre-payment on Account and Advance Payment Discount Plans.

G-64-90	**BC GAS**	**August 17, 1990**

Approved and accepted for filing Tariff revisions to Terms and Conditions covering Discontinuance of Service and Late Payment Charges.

G-65-90	**ICG**	**August 31, 1990**

Approved terms of Sales Rebate Program to residential customers served from the Vancouver Island Natural Gas Pipeline.

G-66-90	**PNG**	**September 7, 1990**

Approved Gas Tariff Supplement No. 10 — Gas Sales Agreement between PNG and B.C. Hydro extended to October 31, 1990.

Order No.	Utility	Date
G-67-90	**WKP**	**September 11, 1990**

Ordered public hearing on WKP's Revenue Requirements Application to commence October 22, 1990 in Rossland, B.C.

G-68-90	**B.C. HYDRO**	**September 14, 1990**

Ordered the public hearing regarding Standard Form Industrial Contract be postponed to November 19, 1990.

G-69-90	**WKP**	**September 20, 1990**

Accepted for filing amendments to Electric Tariff, Rate Schedule 90 — Energy Management Service.

G-70-90	**BC GAS**	**September 27, 1990**

Accepted for filing amendments to Gas Tariff Interruptible Service for Rate Schedule 2502 — Lower Mainland Division and Rate Schedule 10 — Inland Division.

G-71-90	**SQUAMISH GAS**	**October 4, 1990**

Ordered and accepted for filing amendments to Gas Tariff Terms and Conditions for the Squamish and Granisle grid systems.

G-72-90	**BC GAS**	**October 4, 1990**

Accepted for filing Gas Tariff Rate Schedules for propane grid service in the City of Revelstoke.

G-73-90	**B.C. HYDRO AND COMPLAINT BY COUNCIL OF FOREST INDUSTRIES**	**October 11, 1990**

Ordered the rates and billings by B.C. Hydro for Rate Schedules 1278, 1821 and 3807 to be recalculated to three decimal places.

G-74-90	**SQUAMISH GAS**	**October 11, 1990**

Approved pass-through of propane increases to Gas Tariff, Rate Schedule 1 — General Service Rate effective October 1, 1990.

G-75-90	**BC GAS**	**October 11, 1990**

Approved amendments to Rate Schedule 25 — Small Industrial Transportation Service in Inland Division and cancellation of Rate Schedules 15, 17, 18, 24 and 26, effective November 1, 1990.

G-76-90	**CANADIAN PACIFIC FOREST PRODUCTS LIMITED ("CPFP")**	**October 11, 1990**

Approved exemption concerning the sale of power from CPFP's pulp mill to the adjacent newsprint facility at Gold River pursuant to section 103(3) of the Act.

Order No.	Utility	Date
G-77-90	**HVES**	**October 17, 1990**

Issued Commission Decision into HVES' Rate Application.

G-78-90	**BC GAS**	**October 18, 1990**

Approved amendments to Terms and Conditions covering Security Deposits, Billing and Advanced Payment Discount Plan.

G-79-90	**PNG**	**November 8, 1990**

Approved Letter Agreement between PNG and Ocelot extending Incentive Gas Rate arrangements to December 31, 1990.

G-80-90	**PNG**	**November 8, 1990**

Approved extension of Tariff Supplement No. 10 — Gas Sales Agreement between PNG and B.C. Hydro on a day-to-day basis past October 31, 1990.

G-81-90	**BC GAS**	**November 8, 1990**

Approved Tariff Supplement No. 23, Agreement with B.C. Hydro for Supply of Swing Gas to the Burrard Thermal Plant effective November 1, 1990.

G-82-90	**BC GAS**	**November 8, 1990**

Approved Tariff Supplement No. 57 for Large Volume Firm Service to Louisiana-Pacific Canada Ltd. at Chetwynd, B.C.

G-83-90	**BC HYDRO**	**November 19, 1990**

Ordered that complaint by the B.C. Public Interest Advocacy Centre into amendments to the Electric Tariff Distribution Extension Policies be reconsidered and heard at the Rate Design Hearing.

G-84-90	**HVES**	**November 16, 1990**

Accepted HVES' request for reconsideration of the October 17, 1990 Commission Decision and Order No. G-77-90.

G-85-90	**ICG**	**November 15, 1990**

Approved amendments to Gas Tariff, Small Industrial Rate Schedules at Fort St. John, B.C. effective November 1, 1990.

G-86-90	**ICG**	**November 15, 1990**

Approved amendments to Gas Tariff General Service Rate Schedule — Whistler, B.C. effective November 1, 1990.

G-87-90	**BC GAS**	**November 15, 1990**

Approved increase in interest rate to 10⅛ per cent payable on Series A Debentures effective December 1, 1990.

Order No.	Utility	Date
G-88-90	**PNG**	**November 15, 1990**

Approved amendment to Gas Tariff Rate Schedules reflecting increases in gas commodity charges effective November 1, 1990.

G-89-90	**B.C. HYDRO**	**November 15, 1990**

Approved variance to Electric Tariff concerning Customer Contributions by way of a surcharge on consumption to Winter Harbour, B.C. customers.

G-90-90	**PNG**	**November 15, 1990**

Approved Gas Tariff Supplement No. 18 — Firm Transportation Service and Interruptible Sales Agreement with West Timber effective November 1, 1990.

G-91-90	**PNG**	**November 15, 1990**

Approved Gas Tariff Supplement No. 19 — Firm Transportation Service and Interruptible Sales Agreement with West Fraser Mills effective November 1, 1990.

G-92-90	**PNG**	**November 15, 1990**

Approved Gas Tariff Supplement No. 7 — Firm Transportation Service and Interruptible Sales Agreement with Alcan Smelters effective November 1, 1990.

G-93-90	**BC GAS**	**November 15, 1990**

Approved amendments to Rate Schedule No. 7 — Large Volume Firm Service to Crows Nest Resources.

G-94-90	**BC GAS**	**November 22, 1990**

Approved variance to Rate Schedule 2206 — NGV Service concerning compression and dispensing charges to B.C. Transit bus demonstration project.

G-95-90	**B.C. HYDRO**	**November 30, 1990**

Approved variance to Order No. G-31-90 and allowed B.C. Hydro to file Rate Design Application by January 15, 1991.

G-96-90	**BC GAS**	**November 30, 1990**

Approved an amendment to the indenture that will allow the Series A Debentures to be split into 11.80 per cent Series A Purchase Money Mortgages.

G-97-90	**BC GAS**	**November 30, 1990**

Approved Gas Tariff Supplement No. 1 — Interruptible Transportation Service to Encor Energy effective July 1, 1990.

Order No.	Utility	Date
G-98-90	**CENTRA GAS**	**December 4, 1990**

Ordered public hearing into Centra Gas' Application for approval of Municipal Operating Agreements to be held January 7, 1991 in Victoria, B.C.

G-99-90	**PLP**	**November 30, 1990**

Approved amendment to Electric Tariff, Rate Schedule P — Extensions effective May 1, 1990.

G-100-90	**BC GAS**	**November 30, 1990**

Approved Gas Tariff Supplement No. 2 — Rate Schedule 14, NGV Service to Mac's Convenience Stores in Kelowna, B.C. effective November 30, 1990.

G-101-90	**BC GAS**	**November 30, 1990**

Approved Gas Tariff Supplement No. 3 — Rate Schedule 14, service to Pittman Asphalt in Prince George, B.C. effective May 16, 1990.

G-102-90	**BC GAS**	**November 30, 1990**

Approved cancellation of Tariff Supplement No. 37 — Rate Schedule 14, NGV service to Cache Creek Texaco.

G-103-90	**BC GAS**	**December 7, 1990**

Approved cancellation of Tariff Supplements No. 1, 2, 3, 4, and 6 for Columbia Division.

G-104-90	**PNG**	**November 30, 1990**

Approved Gas Tariff amendments to change BCPC Sales Service to Transportation Service effective December 1, 1990.

G-105-90	**CHDL**	**December 13, 1990**

Approved increase in rates charged to customers for Steam Service effective January 1, 1991.

G-106-90	**CENTRA GAS**	**December 14, 1990**

Ordered public hearing date into Municipal Operating Agreements be rescheduled to January 28, 1991.

G-107-90	**BC GAS**	**December 7, 1990**

Approved cancellation of Gas Tariff Supplements No. 23, 33 and 44 for Inland Division.

G-108-90	**WKP**	**December 7, 1990**

Approved amendments to Electric Tariff, Rate Schedule 41 — Power Supply to City of Nelson effective immediately.

Order No.	Utility	Date
G-109-90	**WKP**	**December 20, 1990**

Ordered Decision into WKP's November 30, 1989 General Rate Application.

G-110-90	**NUL**	**December 20, 1990**

Approved establishment of deferral account to recover changes to cost of gas for 1991.

G-111-90	**BC GAS**	**December 20, 1990**

Rejected amendments to Rate Schedules 2601 and 2602 — Seasonal Off-Peak service.

G-112-90	**BC GAS**	**December 20, 1990**

Approved amendments to Rate Schedule 20 — Transportation Service to Inland Division customers.

G-113-90	**SQUAMISH GAS**	**December 20, 1990**

Set down Application to increase rates for piped propane service at Squamish, B.C. for February 11, 1991.

G-114-90	**BC GAS**	**December 20, 1990**

Approved Application by BC Gas for an extension of time upon which to file information concerning the NGV Conversion Support Program to February 28, 1991.

APPENDIX IV

CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY ISSUED IN 1990

Order No.	Utility	Date
C-1-90	**B.C. HYDRO**	**February 6, 1990**

Granted Certificate of Public Convenience and Necessity ("CPCN") for the construction and operation of Williston/Kelly Lake 500 kV transmission line, along with conditions including monthly progress reports to be filed.

C-2-90 **PNG** **March 22, 1990**

Granted CPCN for construction and operation of 6 miles of replacement pipeline near Milepost 202. Monthly progress reports required to be filed.

C-3-90 **B.C. HYDRO** **April 12, 1990**

Granted CPCN to Highland Valley Copper for the relocation of 4.5 km of B.C. Hydro's 138 kV transmission line at Logan Lake B.C.

C-4-90 **B.C. HYDRO** **May 4, 1990**

Granted CPCN to construct and operate a 5.5 km 138 kV transmission line between its Vancouver Island Terminal and the Fletcher Challenge pulp mill at Crofton, B.C. Monthly progress reports required to be filed.

C-5-90 **PNG** **May 24, 1990**

Approved Franchise Agreement between PNG and District of Vanderhoof for a period of 21 years.

C-6-90 **PNG** **May 24, 1990**

Approved Franchise Agreement between PNG and District of Houston for a period of 21 years.

C-7-90 **PNG** **May 24, 1990**

Approved Franchise Agreement between PNG and District of Kitimat for a period of 21 years.

C-8-90 **PNG** **May 24, 1990**

Approved Franchise Agreement between PNG and Village of Burns Lake for a period of 21 years.

C-9-90 **PNG** **May 24, 1990**

Approved Franchise Agreement between PNG and Town of Smithers for a period of 21 years.

Order No.	Utility	Date
C-10-90	**PNG**	**May 24, 1990**

Approved Franchise Agreement between PNG and City of Terrace for a period of 21 years.

C-11-90	**BC GAS**	**August 16, 1990**

Granted a CPCN for propane gas grid system to serve City of Revelstoke and surrounding populated areas. Monthly progress reports required to be filed.

C-12-90	**BC GAS**	**September 27, 1990**

Granted CPCN for a 9.3 km natural gas transmission line to Louisiana-Pacific Canada Ltd. pulp mill near Chetwynd, B.C. Monthly progress reports required to be filed.

C-13-90	**WEI AND CANADIAN UTILITIES LIMITED ("WESCUP")**	**October 18, 1990**

Granted a CPCN to construct and operate a 144 kV transmission line and substation 48 km west of Rainbow Lake, Alberta on the B.C./Alberta Border to Fort Nelson, B.C., a distance of 170 km.

APPENDIX V

ENERGY SUPPLY CONTRACT ORDERS ISSUED IN 1990

Order No.	Utility	Date
E-1-90	**INLAND NATURAL GAS MARKETING LTD. ("INGM")**	**April 12, 1990**
	Approved Energy Supply Contract ("ESC") with FMC of Canada Limited for natural gas supply to its hydrogen peroxide plant at Prince George, B.C.	
E-2-90	**NOT ISSUED**	
E-3-90	**WKP**	**June 20, 1990**
	Approved ESC between WKP and Cascade Pacific Power Corporation at the Goat River Power Plant near Creston, B.C.	
E-4-90	**INGM**	**July 25, 1990**
	Approved ESC for natural gas supply to industrial customers in the Lower Mainland.	
E-5-90	**COAST PACIFIC MANAGEMENT INC. ("CPM")**	**JULY 31, 1990**
	Approved ESC for natural gas supply between Remington Energy Ltd. and B.C. Clean Wood Preservers.	
E-6-90	**BC GAS**	**October 4, 1990**
	Approved ESC with Unocal/Mobil for supply of peaking gas.	
E-7-90	**B.C. HYDRO**	**October 18, 1990**
	Approved ESC with WESCUP for supply of power at Fort Nelson, B.C.	
E-8-90	**QUEEN CHARLOTTE POWER CORPORATION ("QCPC")**	**October 18, 1990**
	Approved Power Connection and Supply Agreement between QCPC and Government of Canada at Skidigate Lake.	
E-9-90	**BC GAS**	**November 8, 1990**
	Approved ESC agreements between BC Gas and six suppliers.	
E-10-90	**B.C. HYDRO**	**November 8, 1990**
	Approved Electricity Purchase Agreement between B.C. Hydro and NW Energy (Williams Lake) Corp. ("NW Energy") covering the supply of electric power and energy from NW Energy's woodwaste power generating facility at Williams Lake.	

Order No.	Utility	Date
E-11-90	**BC GAS**	**December 7, 1990**

Approved short-term gas supply agreements between BC Gas and Questar Energy Company and Northwest Pacific Energy Marketing Inc.

APPENDIX VI

OIL PIPELINE ORDERS ISSUED IN 1990

Order No.	Utility	Date
P-1-90	**CANTERRA ENERGY LTD. ("CANTERRA")**	**March 28, 1990**
	Approved Crude Petroleum Tariff for the Inga Oil Pipeline effective January 1, 1990.	
P-2-90	**SUNCOR INC. RESOURCES GROUP ("SUNCOR")**	**April 5, 1990**
	Approved Crude Petroleum Tariff No. 121 effective March 1, 1990.	
P-3-90	**TRANS MOUNTAIN ENTERPRISES OF BRITISH COLUMBIA LIMITED ("TME")**	**June 15, 1990**
	Approved Turbine Fuel Tariff, No. B.C. 6 effective May 1, 1990.	
P-4-90	**WESTCOAST PETROLEUM LTD. ("WESTCOAST")**	**June 20, 1990**
	Approved Light Petroleum Tariff No. 19 effective June 1, 1990.	
P-5-90	**TME**	**October 23, 1990**
	Approved decrease in tolls effective with deliveries on and after October 16, 1990.	
P-6-90	**WESTCOAST**	**November 22, 1990**
	Approved rates contained in Light Petroleum Tariff No. 20 effective December 1, 1990.	
P-7-90	**TME**	**December 13, 1990**
	Approved rates contained in Turbine Fuel Tariff No. B.C. 8 effective January 1, 1991.	

APPENDIX VII

COMPLAINTS AND INQUIRIES FROM UTILITY CUSTOMERS

Inquiries from Utility Customers concerning Terms and Conditions, Quality of Service, Billing, Payment Requirements, Disconnections of Account, etc.

An important aspect of the Commission's mandate is to apply regulation in a manner that reflects fair, consistent and clearly enunciated standards. The Commission is available to assist members of the public in dealings with regulated utilities so that problems are handled in a prompt, helpful and efficient manner.

Most complaints and inquiries are resolved through discussions between the customer and the utility concerned. Unresolved issues are normally referred to the Commission. To facilitate communication between the Commission and the customers of regulated utilities wishing to file complaints or have points clarified, toll-free calling from any region of the Province is available. The number of complaints and inquiries in 1990 increased to 469 up from 145 in 1989 and 94 in 1988.

Summary of 1990 Complaints and Inquiries

BC Gas Inc.	30
British Columbia Hydro and Power Authority — General	154
—Electric Plus	248
Hemlock Valley Electrical Services Limited	6
Central Heat Distribution Limited	—
Squamish Gas Co. Ltd.	1
Centra Gas British Columbia Inc. [formerly known as ICG Utilities (B.C. Limited)]	14
Princeton Light and Power Company, Limited	1
Pacific Northern Gas Ltd.	2
West Kootenay Power Ltd.	13
Total 1990 Complaints/Inquiries	469

APPENDIX VIII

COSTS RECOVERED FROM REGULATED UTILITIES FROM JANUARY 1, 1990 TO DECEMBER 31, 1990

Pursuant to Commission Order No. G-31-89 a levy, at the rate of $0.0010 per $1 of total gross utility energy sales for the previous calendar year 1989, was collected from the public utilities for the fiscal year commencing April 1, 1990 enabling the Commission to recover expenses that resulted from the administration of the ***Utilities Commission Act.***

	Amount Recovered (12 mos. 1990)
	$
British Columbia Hydro and Power Authority	1,749,629.00
BC Gas Inc.	588,641.50
Central Heat Distribution Limited	6,354.50
City of Nelson	1,754.00
Hemlock Valley Electrical Services Limited	177.00
ICG Utilities (B.C.) Ltd.	14,255.00
Northland Utilities (B.C.) Ltd.	5,451.00
Pacific Northern Gas Ltd.	73,888.00
Princeton Light and Power Company Limited	2,235.00
Squamish Gas Co. Ltd.	1,394.50
West Kootenay Power Ltd.	71,260.00
Yoho Power Ltd.	394.00
Yukon Electric Co. Ltd.	65.00
TOTAL	2,515,498.50

APPENDIX IX

ELECTRIC UTILITIES IN BRITISH COLUMBIA
DOMESTIC ELECTRICITY SALES — 1990

Crown-Owned Electric Utility	Customers #	Revenue $	SALES (GW.h)
British Columbia Hydro and Power Authority	1,288,918	1,736,213,000	39,530.28
Municipally-Owned Electric Utilities			
City of Grand Forks	1,658	1,296,000	28.95
City of Kelowna	10,985	10,153,000	245.80
City of Nelson	7,556	5,423,000	129.20
City of New Westminster	28,200	15,971,000	333.72
City of Penticton	12,253	9,516,000	244.92
District of Summerland	4,078	2,741,000	66.79
	64,730	45,100,000	1,049.38
Investor-Owned Electric Utilities			
Hemlock Valley Electrical Services Limited	192	192,000	1.87
Princeton Light and Power Company, Limited	2,685	2,496,000	52.69
West Kootenay Power Ltd.	67,005	61,141,000	1,644.01
Yoho Power Ltd.	164	442,000	1.45
Yukon Electrical Company Limited	56	56,000	.46
	70,102	64,327,000	1,700.48
TOTAL	1,423,750	1,845,640,000	42,280.14

NOTES TO APPENDIX IX

1. 1 gigawatt hour (GW.h)=1 million kilowatt hours.
2. Figures reported are on a calendar year basis.
3. Revenues and sales for West Kootenay Power Ltd. and British Columbia Hydro and Power Authority are net of sales to other reporting utilities.

APPENDIX X

GAS UTILITIES IN BRITISH COLUMBIA
DOMESTIC GAS SALES — 1990

Investor-Owned Gas Utilities	Customers #	Revenue $	SALES (GJ)
BC Gas Ltd.			
Mainland Division	429,822	445,448,782	128,534,094
Inland Division	138,709	129,360,240	56,499,912
Columbia Division	15,345	22,089,424	9,525,154
Fort Nelson Division	1,511	1,950,978	582,438
Centra Gas British Columbia Inc.	6,799	7,649,200	2,602,900
Northland Utilities (B.C.) Ltd.	6,133	5,964,948	1,631,255
Pacific Northern Gas Ltd.	14,984	75,870,201	34,892,558
	613,303	688,333,773	234,268,311
Investor-Owned L.P. Grid System Utilities			
Centra Gas — Nanaimo, Port Alice and Whistler Systems	2,049	4,701,900	558,300
Victoria Gas	3,747	4,793,100	555,600
Squamish Gas Co. Ltd. (includes Granisle Grid System)	1,226	1,776,459	253,267
	7,022	11,271,459	1,367,167
TOTAL	620,325	699,605,232	235,635,478

NOTES TO APPENDIX X

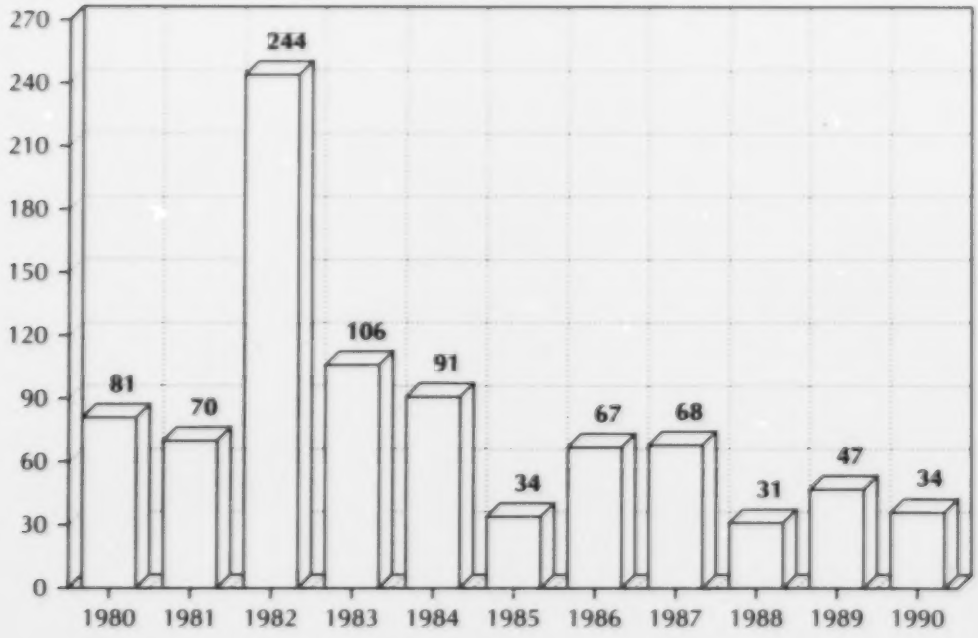
1. 1 gigajoule (GJ) is approximately equivalent to 0.922 Mcf of natural gas or 0.376 Mcf of propane vapour in L.P. gas grid systems.
2. All figures reported are on a calendar year basis.
3. Sales of GJ shown include sales to end-use customers plus gas owned by customers and transported to industrial operations.
4. Revenues reported for natural gas utilities include only transportation margins for large industrial customers who have purchased gas supplies directly from producers. Prior to 1987, the sales and revenues were reported as direct sales by the utilities.

APPENDIX XI

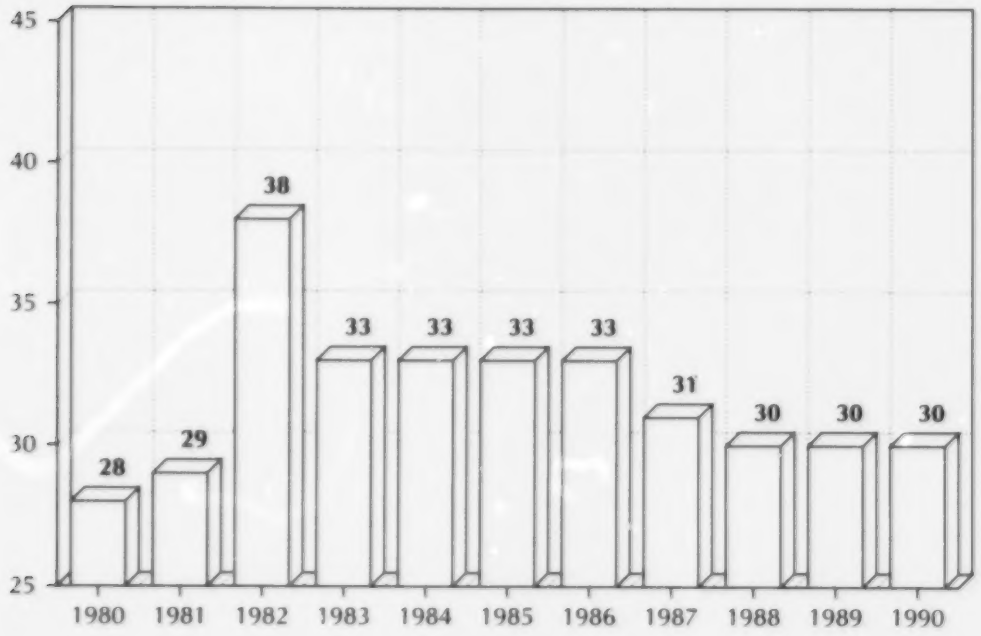
SUMMARY OF HEARING DAYS IN 1990

Date	Applicant	Type of Application	Locations	# of Hearing Days
Feb. 12 to Mar. 5	B.C. Hydro (amend electric tariffs)	Rate	Vancouver	15
Aug 21 to Aug. 28	Ocelot (Complaint against PNG)	Complaint	Prince Rupert	5
Sept. 24 to Sept. 25	Hemlock Valley	Rate	Vancouver	2
Oct. 22 to Nov. 1	WKP	Rate	Rossland	8
Nov. 19 to Dec. 17	B.C. Hydro (Standard Industrial Contract)	Contract	Vancouver	4
TOTALS				34

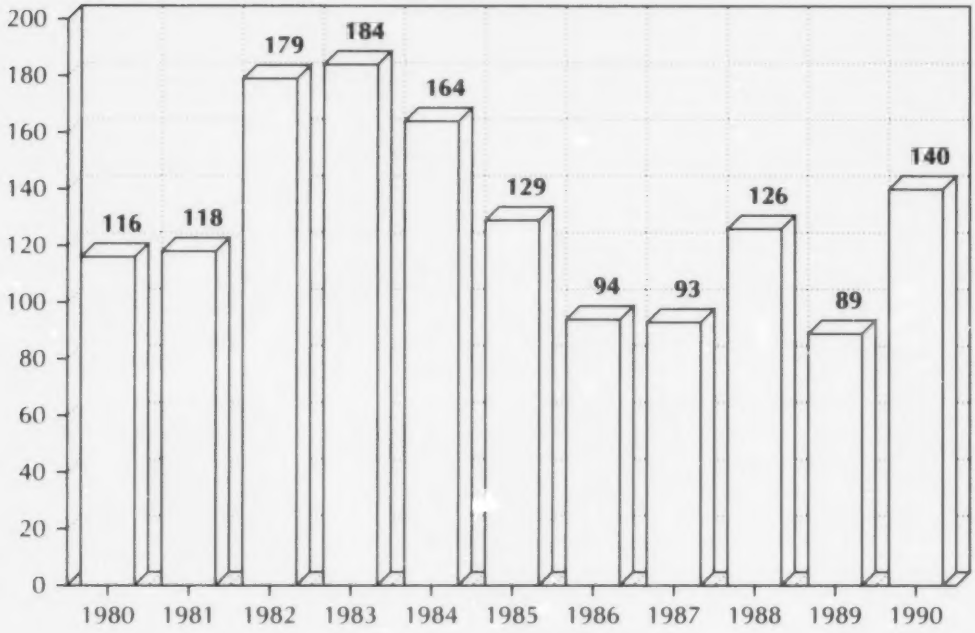
APPENDIX XI
HEARING DAYS DURING THE YEAR



APPENDIX XII
STAFFING LEVEL

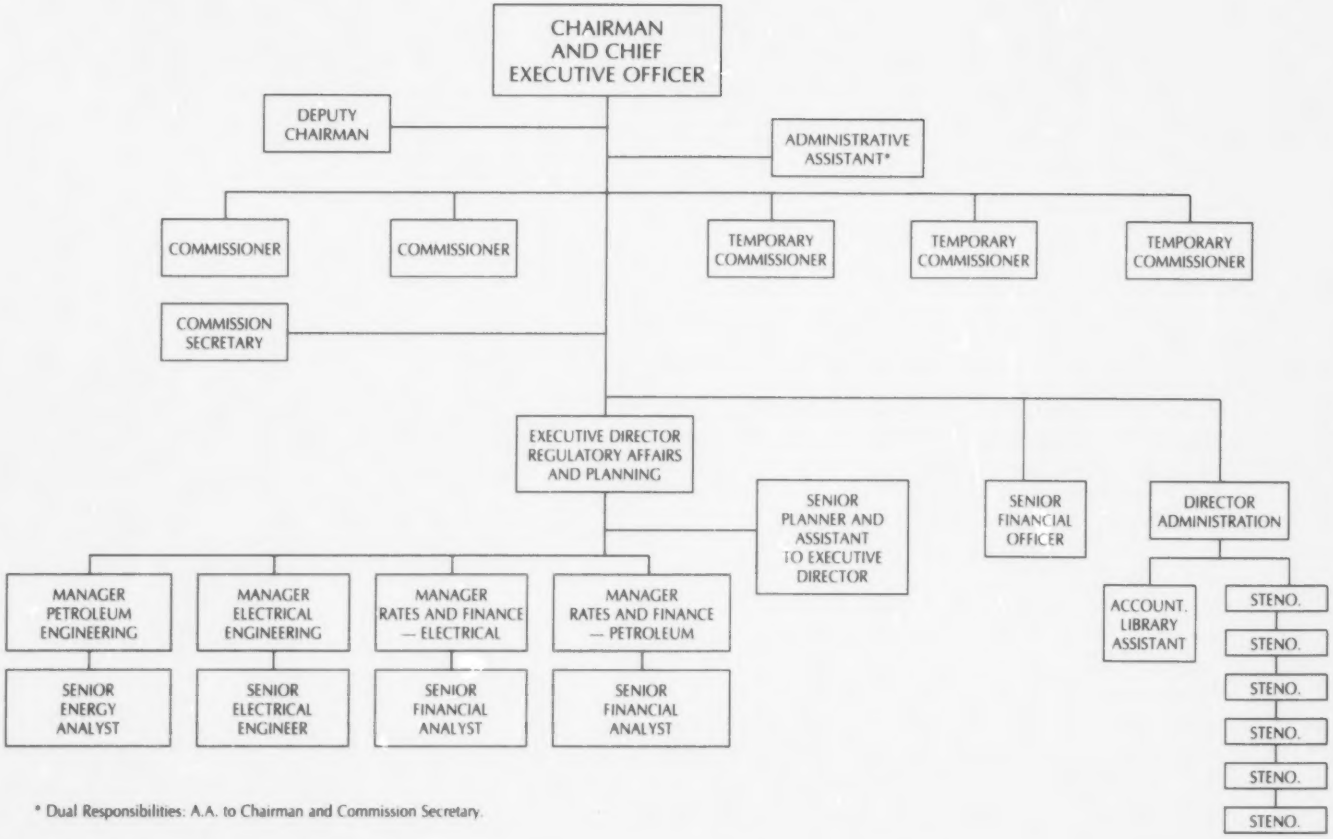


APPENDIX XIII
ORDERS ISSUED DURING YEAR



APPENDIX XIV

ORGANIZATION CHART



* Dual Responsibilities: A.A. to Chairman and Commission Secretary.

APPENDIX XVII

BIOGRAPHIES

BRITISH COLUMBIA UTILITIES COMMISSION

Office — Sixth Floor, 900 Howe Street, Box 250, Vancouver, British Columbia, Canada V6Z 2N3, Area Code (604) 660-4700; Telecopier (604) 660-1102, B.C. Toll Free: 1-800-663-1385.

Commissioners are appointed and serve at pleasure.

COMMISSIONERS

John G. McIntyre, Chairman: Concordia University in Montreal (Loyola College) (BA); Shell Canada (33 years) retired in 1984 as Western Marketing Region Manager, Manager of Corporate Affairs for Genstar Corporation (1984–86), past Chairman of Canadian Association of Members of Public Utility Tribunals (CAMPUT), past Director and President of B.C. Petroleum and Prairie Petroleum Associations; appointed Chairman November 2, 1987.

J. David V. Newlands, Deputy Chairman: Appleby College, MacMaster University (Economics and Business); TransCanada Pipelines Ltd.; British Columbia Energy Commission, Assistant Director, Utility Regulation (1973–1974), Director, Utility Regulation (1974–1978), Executive Director (1978–1980), Commissioner (1980–1982), Appointed Deputy Chairman 1982, Past Chairman, Canadian Association of Members of Public Utility Tribunals (CAMPUT) Energy Committee, Member of the Electrical Committee of the National Association of Regulatory Utility Commissioners of the United States of America, Member of Canadian Institute of Energy.

Norris Martin, Commissioner: University of British Columbia (B.Comm., MBA), Transportation Executive; named Temporary Commissioner (September 23, 1982–January 1, 1988); appointed Commissioner January 2, 1988.

W. Milton Swanson, Q.C., Commissioner: University of British Columbia (LLB), Senior Trial Counsel, Barrister and Solicitor (28 years) Lawrence & Shaw, Vancouver; appointed Commissioner August 2, 1988.

Harold J. Page, Temporary Commissioner: University of British Columbia (BASc.), University of Victoria (Honourary Doctor of Engineering), Fellow, Engineering Institute of Canada, Professional Engineer, Provincial Assistant Deputy Minister, Communications; Chief Engineer of the Public Utilities Commission of British Columbia; appointed October 1987.

Frank C. Leighton, Temporary Commissioner: University of London, England (B.Sc.Eng.), Professional Engineer, employed by Swan Wooster Engineering Companies in Vancouver (1951–1984) as Project Manager, Vice-President of Planning, President of Swan Wooster International, and Vice-Chairman of Swan Wooster Engineering, private practice; appointed October 1987.

Kenneth L. Hall, Temporary Commissioner: University of Saskatchewan (B.E.), Professional Engineer, Trans Mountain Pipe Line Company (30 years) retired 1983 as President, C.E.O. and Chairman of the Board, Honourary Life Member Canadian Petroleum Association; appointed January 1990.

KEY STAFF

William J. Grant, Executive Director, Regulatory Affairs and Planning.
Robert J. Pellatt, Commission Secretary.
James H. Hummelen, Director, Administration and Personnel.
Neptune C. J. Smith, Manager, Electrical Engineering.
Barry McKinlay, Manager, Rates and Finance, Electrical.
Paul H. Gronert, Manager, Petroleum Engineering.
Simon S. Wong, Manager, Rates and Finance, Petroleum.
Deborah W. Emes, Senior Planner.

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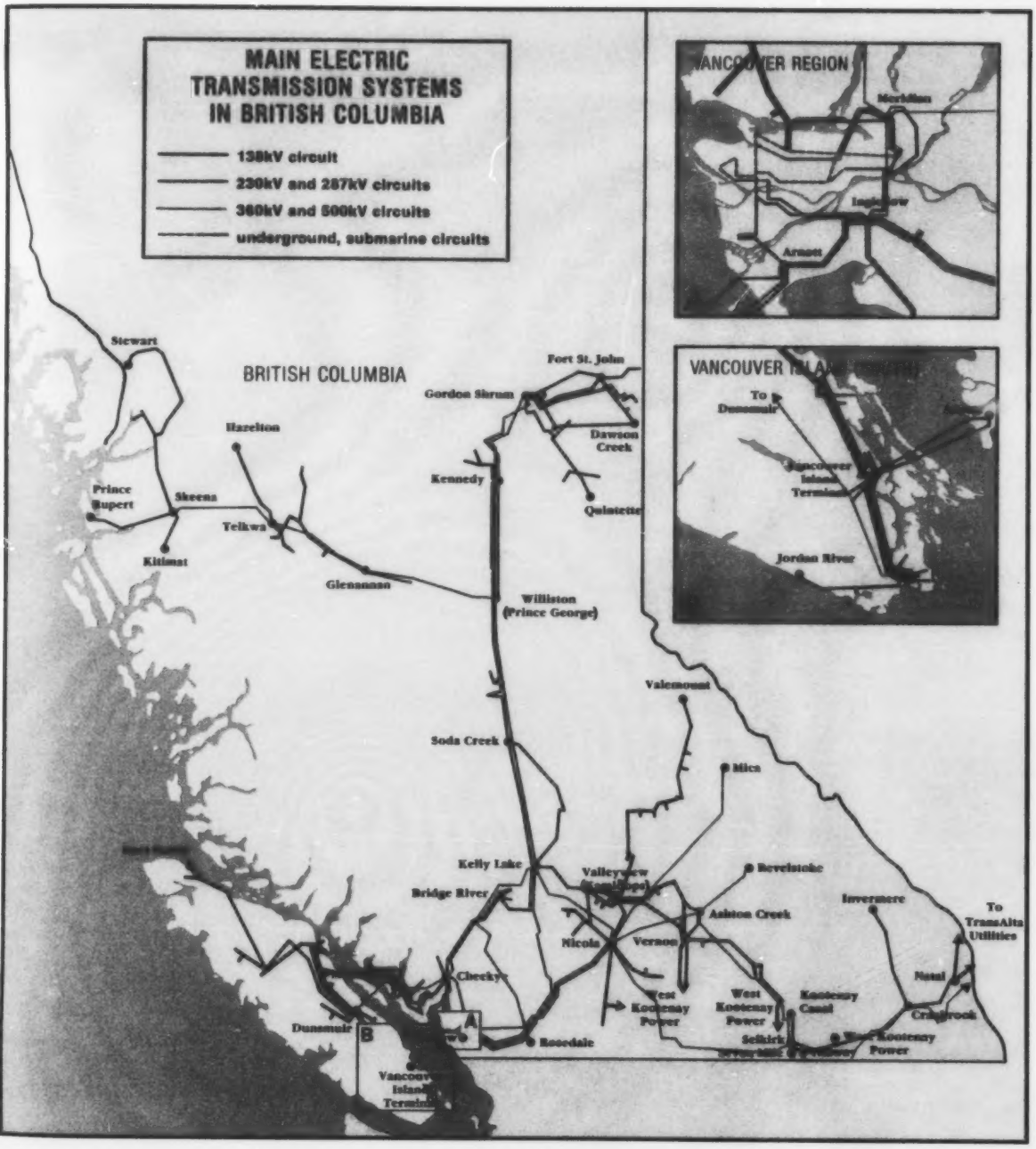
APPENDIX XV
MAIN ELECTRIC TRANSMISSION AND POWER GENERATING FACILITIES



APPENDIX XVI

NATURAL GAS AND GAS LIQUIDS